CEDRIC VANZA LUTONDA

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LinkedIn: www.linkedin.com/in/cedric-lutonda | GitHub: www.github.com/cedoula
Portfolio: https://cedoula.github.io/portfolio

DATA ANALYST
Data Analytics | Systems | Projects | Application

Adaptable Data Analyst skilled in recording, interpreting and analyzing data in a fast-paced environment. Adept at working independently as well as collaborating with teams across multiple functions to effectively break down concepts in layman terms. Bring experience obtained through cross-functional organizations to streamline data analysis, reporting, and auditing. Prepared to excel in solving complex problems. Fluent in English and French.

TECHNICAL SKILLS

Languages: VBA, Python 3, HTML/CSS, SQL, JSON, JavaScript, R, Spark
Data Manipulation & Visualization: Pandas, NumPy, Matplotlib, BeautifulSoup, Leaflet.js, GeoJSON, AWS QuickSight, Tableau
Database: PostgreSQL, MySQL, SQLite, SQLAlchemy, MongoDB
Other: Flask, Git, Microsoft Office Suite, Anaconda, Jupyter Notebook, Exploratory Data Analysis, Extract-Transform-Load, Web Scraping, Statistical Data Analysis, Big Data, AWS, NLP, Machine Learning, Scikit-Learn, TensorFlow

PROJECTS

Austin Driver Score Predictor | https://github.com/cedoula/Final_Project **|** https://cedric-lutonda-driver-score.herokuapp.com

- Led a team of 3 to analyze Austin car crash data from 2018 to 2020 and create an interactive dashboard using a machine learning algorithm to calculate a driver score from user features.
- Tools used: Python, Pandas, NumPy, ETL, PostgreSQL, Psycopg2, AWS S3, Scikit-Learn, TensorFlow, Tableau, JavaScript, HTML, CSS, Flask, Heroku

Mapping Earthquakes | https://github.com/cedoula/Mapping_Earthquakes **|** https://cedoula.github.io/Mapping_Earthquakes

- This project gathers weekly earthquake GeoJSON data from the USGS API, creates and explores interactive maps of earthquakes around the world.
- Tools used: HTML/CSS, JavaScript, Leaflet, D3.js

Cryptocurrencies | https://github.com/cedoula/Cryptocurrencies

- This project uses unsupervised machine learning, PCA algorithm, and K-Means clustering to analyze and classify a database of cryptocurrencies.
- Tools used: Python, Pandas, Unsupervised Learning, K-Means Clustering, PCA algorithm

EXPERIENCE

Trilogy Education – Remote March 2021 – To date
Data Analytics and Visualization Tutor

- Support students enrolled in Data Analytics University Bootcamps across the globe.

SCHLUMBERGER - Drilling & Measurements, Houston, TX October 2018 – April 2020
Senior Field Engineer

- Led field operations, including project management, engineering design, maintenance, job planning, and operational reporting.
- Cultivated and maintained client relationships onsite Measured physical properties of the oil wells while drilling and maintained accountability for team wellsite actions and performance.
- Trained and mentored junior engineers and conducted project reviews.
- Actively contributed to continuous improvement culture. Launched a project for VR based training for new field engineers and specialists.

HALLIBURTON SPERRY DRILLING, Angola, and Broussard, LA June 2012 – October 2018
Senior Field Engineer

- Planned and managed oilfield drilling services onsite for an international company. Managed multiple projects in North Dakota, Gulf of Mexico, Saudi Arabia, Japan, France, South Korea, and Africa.
- Increased company revenues/profits by successfully leading and building teams recognized by management for providing high-quality, productive service delivery, solving field issues quickly, and documenting/maintaining accurate delivery.
- Consulted daily onsite as point of contact for client relations with Client Representatives to ensure accurate positioning of the well, evaluated potential of the well's drilled formation, and maximized drilling performance.
- Supervised, trained, scheduled, developed, and evaluated the performance of 4-6 Field Engineers reports to ensure consistent achievement of targeted business goals.
- Coordinated and provided continuous safety training to team members to ensure safe operations at well sites. Developed and implemented new safety policies when necessary.
- Monitored, tracked, scheduled, ordered, and controlled inventory of high-value hand tools, electronic sensors, parts, components, and equipment to maintain security for company assets, minimize risk, control costs, and improve profitability.

HALLIBURTON SPERRY DRILLING, Luanda, Angola October 2009 – June 2012
Measurement and Logging While Drilling Engineer

- Performed measurement of petrophysical data of the rock formation and their transmission to the surface during the phases of drilling.
- Conducted real-time determination of the geographical location of the drilling tool.
  These critical data allow the oil company, our client, to evaluate the potential of the drilled formation, to maximize drilling performance and accurate positioning of the well.

EDUCATION

Data Analysis and Visualization Certificate: The University of Texas at Austin, Austin, Texas
A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

Master of Science Degree, Engineering, Electronic Communications
Superior School of Electricity (SUPELEC) - Paris, France
Electronic Communications: Techniques of Signal Coding, Transmission, Modulation, and Treatment.

Bachelor of Science Degree, Engineering
Superior School of Electricity (SUPELEC), Paris, France

Associate Degree, Sciences: University of Paris Sud, Paris, France
Mathematics and Physics.